

9/28/17

Work Order ID 165056

165056

Monday, August 14, 2017 2:51:28 PM

Item ID: 646.9501 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: 206A/B/L-Series Cable Cutter System, High
 Start Date: 9/21/2017 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 9/28/2017 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: W ^{DAS} 21 ₉₋₈₉ Date: 8/14/17 Tooling: _____ Date: _____
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____
 Run Start *NR1*
 Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr	
646.9500	N/C	<u>50</u> AUG 29 2017

100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 646.9501								

DAS
28
9-89

SEP 15 2017

110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									

DAS
6
9-89

AUG 30 2017

DAS
27
9-89

120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.03							
Quality Control									

DAS
28
9-89

SEP 15 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Work Order ID 165056***165056***

Page 2

Monday, August 14, 2017 2:51:28 PM

Item ID: 646.9501 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: 206A/B/L-Series Cable Cutter System, High
Start Date: 9/21/2017 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 9/28/2017 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 *130* Packaging Packaging	Identify as per dwg & Stock Location: _____ Packaging Memo Identify and pack for shipping as per PPP 646.9501 Location: <u>FG101</u> sold	0.00 0.00						DAS 28 9-89	
140 *140* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.10						DAS 21 9-89	SEP 15 2017 DAS 21 9-89 SEP 15 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Monday, August 14, 2017 2:51:25 PM

Page 1

Work Order ID: 165056

165056

Parent Item: 646.9501

646 9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.08.28 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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600.0990

Purchased

No

110

Each

23.0000

1

1

600 0990

**

Magnabond 6398 Part A Size 112 ml

oop 02/01/18

DAS
28
9-89

Location

Loc Qty

Loc Code

PKG

23

M136586

1

M136862

1

M137073

2

M137495

9

M137712

10

DAS
27
9-89

600.0991

Purchased

No

110

Each

24.0000

1

1

600 0991

**

Magnabond 6398 Part B Size 112 ml

oop 03/01/18

DAS
28
9-89

Location

Loc Qty

Loc Code

PKG

24

m136586

2

m136862

1

m137073

2

m137495

9

m137712

10

DAS
27
9-89

600.1012

Purchased

No

110

Each

20.0000

1

1

600 1012

**

Sealant PR1425B2 (#654 sem)

oop 30/01/18

DAS
28
9-89

Location

Loc Qty

Loc Code

cck017

20

m137371

1

m137699

11

m138084

8

DAS
27
9-89

SEP 05 2017

DAS
6
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

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Page 2

Work Order ID: 165056

165056

Parent Item: 646.9501

646 9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

646.9601 Manufactured No

110 Each 6.0000 1 1

646 9601

Upper Cutter Assembly

**

SEP 05 2017

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck039

6

162669

1

160091

1

160764

2

160763

2

4/10/2018

2/11/2019

2/16/2019

646.9602 Manufactured No

110 Each 20.0000 1 1

646 9602

Lower Cutter Assembly High

**

SEP 05 2017

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK037

10

109598

10

CCK038

10

126804

10

646.9810 Manufactured No

110 Each 4.0000 1 1

646 9810

Deflector

**

DAS
6
9-89

SEP 15 2017

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK041

4

160765

4

165122

646.9910 Manufactured No

110 Each 24.0000 4 4

646 9910

Struts

**

DAS
6
9-89

SEP 15 2017

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK014

24

146573

1

155353

8

160520

15

164348

Monday, August 14, 2017 2:51:25 PM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : _____			

Picklist Print

Page 3

Monday, August 14, 2017 2:51:25 PM

Work Order ID: 165056

165056

Parent Item: 646.9501

646 9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

647.0110
647 0110
Roof Doubler

Manufactured No

110 Each

9.0000

1 1

**

SEP 05 2017 **DAS 6 27**
9-89 9-89

Location

Loc Qty

Loc Code

CCK088

9

155468

9

647.0111
647 0111
Panel

Manufactured No

110 Each

13.0000

1 1

**

SEP 05 2017 **DAS 6 27**
9-89 9-89

Location

Loc Qty

Loc Code

CCK083

12

159852

12

CCK088

1

142691

1

647.0112
647 0112
Strut Bracket

Manufactured No

110 Each

74.0000

8 8

**

SEP 05 2017 **DAS 6 27**
9-89 9-89

Location

Loc Qty

Loc Code

CCK106

44

161667

44

CCK108A

30

162372

15

164710

15

647.0113
647 0113
Strut Doubler

Manufactured No

110 Each

18.0000

2 2

**

SEP 05 2017 **DAS 6 27**
9-89 9-89

Location

Loc Qty

Loc Code

CCK089

18

142256

2

155571

10

161747

6

Monday, August 14, 2017 2:51:25 PM

Shop Packet Print

Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
2017 8 2017								85 16-1	
								Lead hand / Supervisor Approval Verification	
								21/1 85 QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : _____							

Picklist Print

Monday, August 14, 2017 2:51:25 PM

Page 4

Work Order ID: 165056

165056

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

647.0114
647 0114
Clip

DAS
28
9-89

Manufactured No

110 Each

50.0000

1 1

**

DAS
6
9-89

DAS
27
9-89

SEP 05 2017

Location

Loc Qty

Loc Code

CCK107

50

106616

50

647.0115
647 0115
Clip

DAS
28
9-89

Manufactured No

110 Each

45.0000

1 1

**

DAS
6
9-89

DAS
27
9-89

SEP 05 2017

Location

Loc Qty

Loc Code

CCK107

45

106617

45

647.0116
647 0116
Doubler

DAS
28
9-89

Manufactured No

110 Each

42.0000

2 2

**

DAS
6
9-89

DAS
27
9-89

SEP 05 2017

Location

Loc Qty

Loc Code

CCK107

42

151372

2

159857

40

647.0210
647 0210
Rail

DAS
28
9-89

Manufactured No

110 Each

8.0000

1 1

**

DAS
6
9-89

DAS
27
9-89

SEP 05 2017

Location

Loc Qty

Loc Code

CCK089

8

151662

3

160442

5

Monday, August 14, 2017 2:51:25 PM

Shop Packet Print

Page 4

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step # : _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

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Monday, August 14, 2017 2:51:25 PM

Work Order ID: 165056

165056

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

647.0310 Manufactured No

110 Each 15.0000 2 2

647.0310

Channel

**

DAS 27 9-89
SEP 05 2017

Location

Loc Qty

Loc Code

CCK090

15

160184

15

647.0410 Manufactured No

110 Each 11.0000 1 1

647.0410

Tube

**

DAS 27 9-89
SEP 05 2017

Location

Loc Qty

Loc Code

CCK107

11

151677

1

159786

10

647.1210 Manufactured No

110 Each 25.0000 1 1

647.1210

Screen

**

DAS 27 9-89
SEP 05 2017

Location

Loc Qty

Loc Code

CCK107

25

159856

25

AN3-10A Purchased No

110 Each 113.0000 8 8

AN3-10A

Bolt

**

DAS 27 9-89
AUG 30 2017

Location

Loc Qty

Loc Code

GA

39

m136787

39

ST349

74

m138084

74

138326

Monday, August 14, 2017 2:51:25 PM

Shop Packet Print

Page 5

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

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Page 6

Work Order ID: 165056

165056

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

AN3-11A Purchased No

110 Each 192.0000 8 8

AN3-11A

Bolt

**

AUG 30 2017

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

over003 100

m136192 100

ST349 92

m138230 92

AN3-3A Purchased No

110 Each 106.0000 1 1

AN3-3A

Bolt

**

AUG 30 2017

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST350 106

m137597 31

m137853 50

m138207 25

AN743-13 Purchased No

110 Each 17.0000 1 1

AN743-13

Bracket

**

AUG 30 2017

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST330 17

M129732 7

M136665 10

CCR264SS3-04 Purchased No

110 Each 169.0000 12 12

CCR264SS3-04

Rivet

**

AUG 30 2017

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST321 169

123785 5

m137391 88

m137736 76

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Page 6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

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Work Order ID: 165056

165056

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

CCR264SS-3-06

Purchased

No

110

Each

55.0000

8

8

**

CCR264SS-3-06

Rivet

DAS
28
9-89

Location

Loc Qty

Loc Code

ST321

55

m135865

55

CCR264SS3-2

CCR264SS3-02

Purchased

No

110

Each

0.0000

4

4

**

CCR264SS3-2

Rivet, Cherry

DAS
28
9-89

Location

Loc Qty

Loc Code

CR3212-4-4

CR3212-4-04

Purchased

No

110

Each

0.0000

1

1

**

CR3212-4-4

CHERRY RIVET

DAS
28
9-89

Location

Loc Qty

Loc Code

CR3212-5-4

Purchased

No

110

Each

48.0000

8

8

**

CR3212-5-4

Cherry Rivet

DAS
28
9-89

ST320

48

m133709

48

CR3213-4-05

Purchased

No

110

Each

197.0000

26

26

**

CR3213-4-05

RIVET

DAS
28
9-89

Location

Loc Qty

Loc Code

CR3213-4-1

Purchased

No

110

Each

96.0000

14

14

**

CR3213-4-1

Cherry Rivet

DAS
28
9-89

Location

Loc Qty

Loc Code

ST320

96

m137478

96

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 165056

165056

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-2 Purchased No

110 Each

172.0000

18

18

CR3213-4-2

Cherry Rivet

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK003

100

m137710

100

ST320

72

m137621

72

**

DAS
6
9-89

AUG 30 2017

DAS
27
9-89

CR3213-4-3 Purchased No

110 Each

198.0000

18

18

CR3213-4-3

Rivet, Cherry

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK003

100

m137988

100

GA

92

m136042

92

ST319

6

m136851

6

**

DAS
6
9-89

AUG 30 2017

DAS
27
9-89

CR3213-4-4 Purchased No

110 Each

124.0000

19

19

CR3213-4-4

Rivet, Cherry

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK003

100

m137736

100

ST319

24

m136301

22

m137391

2

**

DAS
6
9-89

AUG 30 2017

DAS
27
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 165056

165056

Parent Item: 646.9501

646 9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-6 Purchased No

110 Each 133.0000

20 20

CR3213-4-6

Rivet

**

AUG 30 2017

DAS

6

9-89

DAS

27

9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK003

100

M136199

100

ST319

33

M135978

33

20

MS21042-08 MS21042L08 Purchased No

110 Each 0.0000

54 54

MS21042-08

USE MS21042L08

**

138237

AUG 30 2017

DAS

6

9-89

DAS

27

9-89

MS21042-3 MS21042L3 Purchased No

110 Each 0.0000

17 17

MS21042-3

Nut

**

138326

AUG 30 2017

DAS

6

9-89

DAS

27

9-89

MS21047-3 Purchased No

110 Each 217.0000

6 6

MS21047-3

Nut Plate

**

AUG 30 2017

DAS

6

9-89

DAS

27

9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST301

217

m137459

17

m137710

100

m138040

100

6

MS21059-3 Purchased No

110 Each 431.0000

2 2

MS21059-3

Nut Plate

**

AUG 30 2017

DAS

6

9-89

DAS

27

9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST301

431

123023

30

123900

401

2

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date : _____		Step #: _____		QTY Effective : _____			MRB (QS1042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Monday, August 14, 2017 2:51:26 PM

Work Order ID: 165056

165056

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

MS21059L08

Purchased

No

110

Each

99.0000

4

4

DAS
6
9-89

DAS
27
9-89

MS21059L08

Nut

DAS
28
9-89

Location

Loc Qty

Loc Code

ST300

99

m134943

1

m136554

98

MS24694-S8

Purchased

No

110

Each

64.0000

5

5

DAS
6
9-89

DAS
27
9-89

MS24694-S8

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

ST285

64

M134654

64

MS27039-08-06

Purchased

No

110

Each

50.0000

4

4

DAS
6
9-89

DAS
27
9-89

MS27039-08-06

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

ST278

50

m126249

50

MS27039-08-09

Purchased

No

110

Each

48.0000

4

4

DAS
6
9-89

DAS
27
9-89

MS27039-08-09

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

ST278

48

m135536

48

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

Monday, August 14, 2017 2:51:26 PM

Work Order ID: 165056

165056

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-11

Purchased

No

110

Each

184.0000

43

43

MS27039-08-11

SCREW

**

DAS
6
9-89

DAS
27
9-89

AUG 30 2017

Location

Loc Qty

Loc Code

ST278

184

M128770

2

m133768

8

m135864

4

m137412

170

138336

3

MS27039-08-12

Purchased

No

110

Each

106.0000

2

2

MS27039-08-12

Screw

**

DAS
6
9-89

DAS
27
9-89

AUG 30 2017

Location

Loc Qty

Loc Code

ST278

106

123352

8

124326

98

2

MS27039-08-13

Purchased

No

110

Each

224.0000

6

6

MS27039-08-13

Screw

**

DAS
6
9-89

DAS
27
9-89

AUG 30 2017

Location

Loc Qty

Loc Code

ST278

224

153849

224

6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			Completed By
					Lead hand / Supervisor Approval Verification
					QC / QA Coordinator Approval
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Monday, August 14, 2017 2:51:26 PM

Work Order ID: 165056

165056

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-08

Purchased

No

110

Each

517.0000

5

5

MS27039-1-08

Screw

**

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

51

m136047

3

m137361

48

GA

22

m128636

22

over006

300

m138209

300

ST281

144

m137820

144

DAS
28
9-89

DAS
6
9-89

AUG 30 2017

MS27039-1-11

Purchased

No

110

Each

81.0000

5

5

MS27039-1-11

Screw

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST280

81

m137544

81

DAS
28
9-89

DAS
6
9-89

AUG 30 2017

MS35842-11

Purchased

No

110

Each

15.0000

1

1

MS35842-11

Hose Clamp

**

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST545

15

m134943

15

DAS
28
9-89

AUG 30 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Monday, August 14, 2017 2:51:26 PM

Work Order ID: 165056

165056

Parent Item: 646.9501

646 9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

110

Each

3,332.000

62

62

NAS1149F0332P

Washer

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

275

m133709

275

ST260a

2000

m138209

2000

ST262

1057

m137710

1057

**

DAS
6
9-89

AUG 30 2017

DAS
27
9-89

NAS1149FN832P

Purchased

No

110

Each

1,401.000

111

111

NAS1149FN832P

Washer

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

843

M135058

208

M136182

40

M136866

43

M137820

552

ST263

558

M137820

558

**

DAS
6
9-89

AUG 30 2017

DAS
27
9-89

NAS1835-08

Purchased

No

110

Each

26.0000

4

4

NAS1835-08

Insert

DAS
28
9-89

Location

Loc Qty

Loc Code

st549

26

m135864

2

m137412

24

**

DAS
6
9-89

AUG 30 2017

DAS
27
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

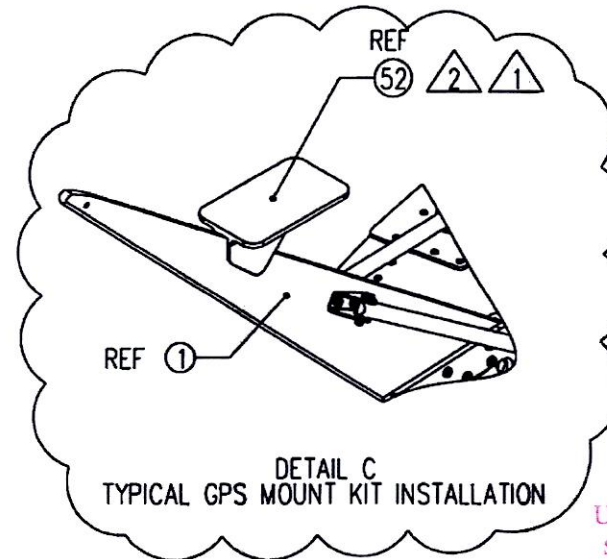
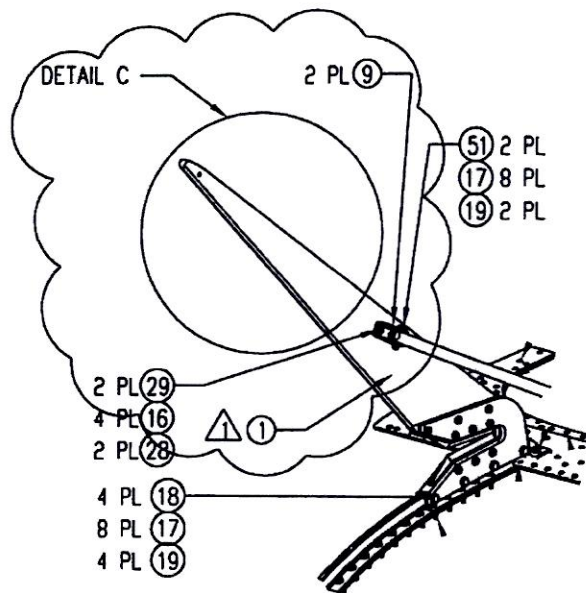
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03047				SHEET 1 OF 1	
	DWG NO. 646.9500		REV: NC		PREPARED BY J. JACKSON	
	DATE: 01/24/11					
	EFFECT ON DWG ☐ INC. ☒ UNINC.					
DWG TITLE: 206 CABLE CUTTERS KIT						
APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>		QC <i>[Signature]</i>		EFF: NEXT ORDER
REASON: ADDED GPS MOUNT KIT, F/N 52. REVISED DRAWING VIEWS.						
ADDED NOTE 2 .						

SHEET 1, ZONE B1 IS:

2 AT CUSTOMERS OPTION, INSTALL F/N 52 BY MATCH DRILLING ONTO F/N 1.

SHEET 2, ZONE A3 IS:

SHEET 2, ZONE B2 IS:



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SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 165056
[Signature]

52	A	647.5701	REF	REF	GPS MOUNT KIT	2	
F/N	TC	PART NUMBER	.9502	.9501	DESCRIPTION	MATERIAL	SPECIFICATION
			QTY				
DOCUMENTS EFFECTED:						☐ MDL ☐ INSTALL INSTRU ☐ ICA ☒ BOM ☐ CHANGE CATEGORY ☐ MAJOR ☒ MINOR ☐ DER REVIEW REQUIRED ☐ YES ☒ NO	

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02736				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR. <i>[Signature]</i>	MFG. <i>[Signature]</i>	QC <i>[Signature]</i>	EFF:	CURRENT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: CORRECTED PARTS LIST ERRORS					

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SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 165056
LM 8/14/17

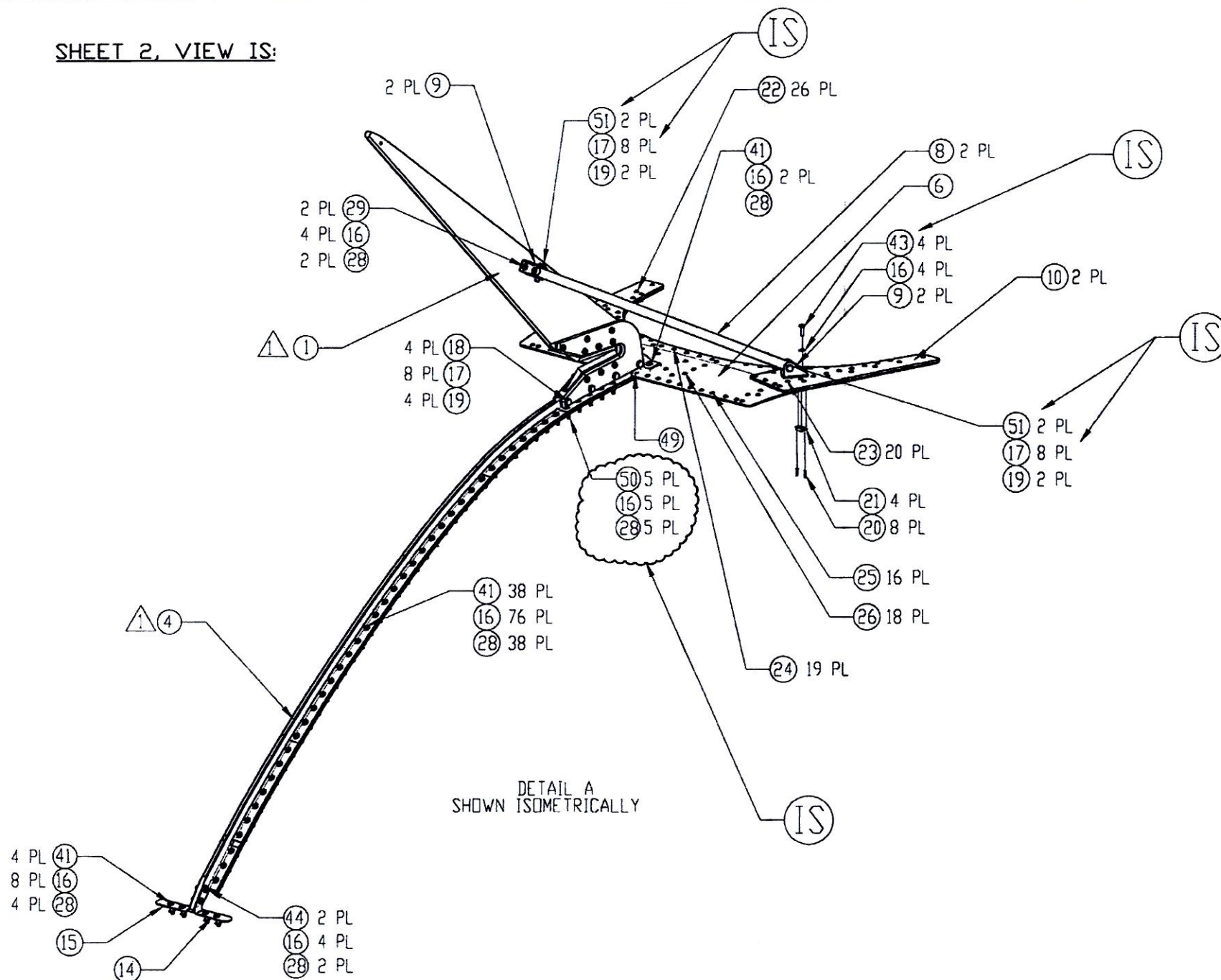
17	R	601.1607	62	62	WASHER	NAS1149F0332P
16	R	601.2764	111	111	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

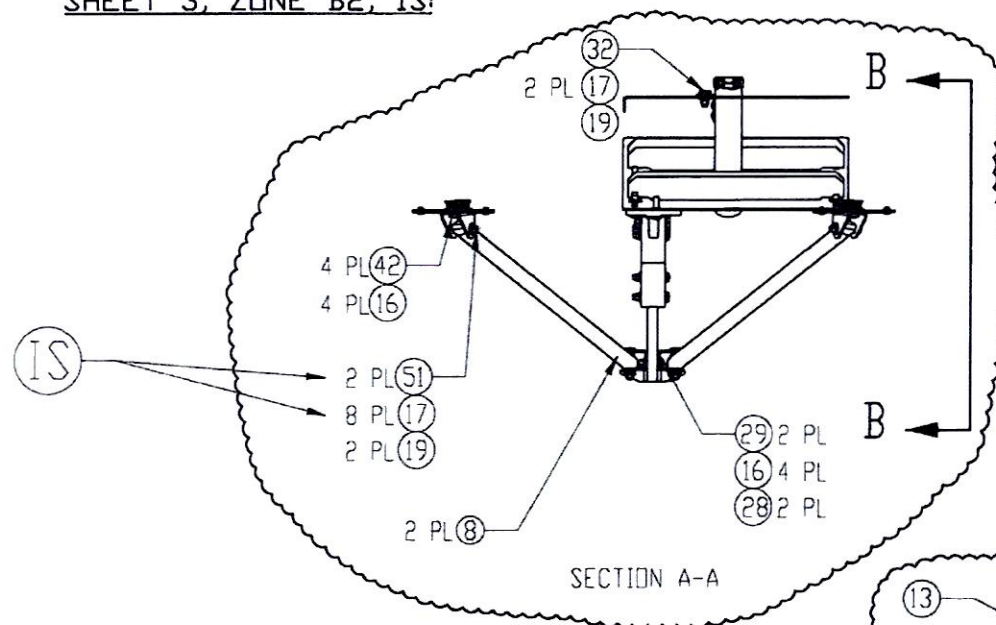
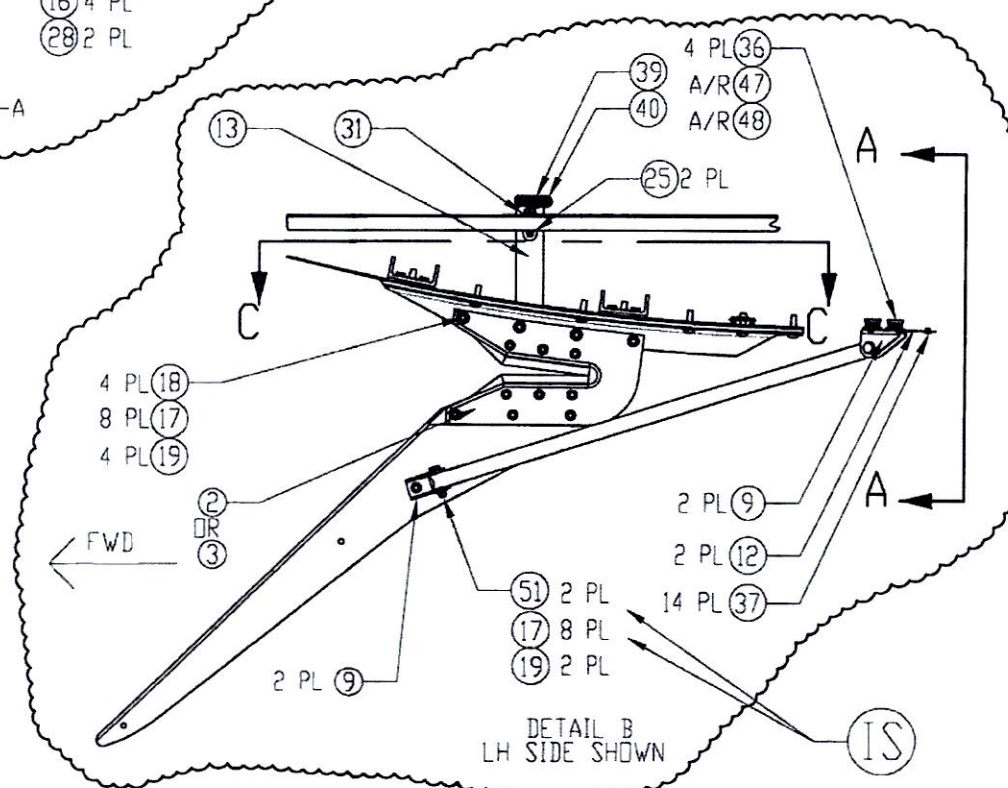
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: HARDWARE REVISIONS FROM FIRST INSTALL					

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WITHOUT NOTICE
WORK ORDER
NO. 165056
U1 8/14/17

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

SHEET 2, VIEW IS:



SHEET 3, ZONE B2, IS:SHEET 3, ZONE D2, IS:

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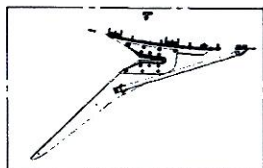
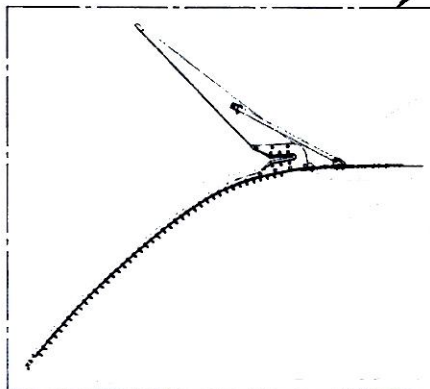
NOTES:

△ AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

UNINCORPORATED ECN(S)

02729, 02736, 03047

DETAIL A



DETAIL B

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UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 165056

W 8/14/17

*302	*301	FIND #	PART #	DESCRIPTION	MATL	SPEC.
1	1	49	601.1066	RIVET	CR3212-4-4	
1	1	48	600.0991	MAGNOBOND 6378 PART B		
1	1	47	600.0990	MAGNOBOND 6378 PART A		
1	1	46	600.1012	SEALANT	PP-125 CLASS B	
5	5	45	601.1949	SCREW	MS27039-1-11	
2	2	44	601.2989	SCREW	MS27039-0812	
4	4	43	601.2987	SCREW	MS27039-0809	
4	4	42	601.3000	SCREW	MS27039-0806	

*302	*301	FIND #	PART #	DESCRIPTION	MATL	SPEC.
47	47	41	601.2893	SCREW	MS27039-0811	
1	1	40	601.2982	HOSE CLAMP	MS35842-11	
1	1	39	647.1210	SCREEN		
5	5	38	601.1621	SCREW	MS27039-1-08	
14	14	37	601.2979	RIVET	CR3213-4-1	
4	4	36	601.2984	INSERT	NAS1835-08	
4	4	35	601.2277	RIVET	CC82455-549	
8	8	34	601.2983	RIVET	CR3212-5-4	
12	12	33	601.2980	NUTPLATE RIVET	CCP2445-304	
1	1	32	601.2822	BOLT	AN3-3A	
1	1	31	601.2985	BRACKET	AN743-13	
2	2	30	601.1900	NUTPLATE	MS21059-3	
6	6	29	601.2988	SCREW	MS27039-0813	
53	53	28	601.2973	LOCKNUT	MS21042-08	
6	6	27	600.0795	NUTPLATE	MS21047-3	
18	18	26	601.0790	RIVET	CR3213-4-3	
18	18	25	601.1039	RIVET	CR3213-4-2	
19	19	24	601.1915	RIVET	CR3213-4-4	
20	20	23	601.2991	RIVET	CR3213-4-6	
26	26	22	601.1183	RIVET	CR3213-4-5	
4	4	21	601.2356	NUTPLATE	MS21059L08	
8	8	20	601.2981	NUTPLATE RIVET	CCP2445-306	
17	17	19	601.2943	LOCKNUT	MS21043-3	
16	16	18	601.2826	BOLT	AN3-11A	
46	46	17	601.1607	WASHER	NAS11490332P	
114	114	16	601.2764	WASHER	NAS11490332P	
1	1	15	647.0115	CLIP		
1	1	14	647.0114	CLIP		
1	1	13	647.0410	TUBE		
2	2	12	647.0116	DOUBLER		
1	1	11	647.0111	PANEL		
2	2	10	647.0113	STRUT DOUBLER		
8	8	9	647.0112	STRUT BRACKET		
4	4	8	646.9910	STRUT		
2	2	7	647.0310	CHANNEL		
1	1	6	647.0110	ROOF DOUBLER		
1	1	5	647.0210	RAIL		
1	1	4	646.9810	DEFLECTOR		
1	1	3	646.9603	LOWER CUTTER ASSY LOW		
1	1	2	646.9602	LOWER CUTTER ASSY HIGH		
1	1	1	646.9601	UPPER CUTTER ASSY		
1	1	1	646.9502	206 CABLE CUTTERS FIT LOW		
1	1	1	646.9501	206 CABLE CUTTERS FIT HIGH		

QTY	ORIGINAL DATE	DATE	REVISIONS
NEXT ASSY (S)	DESIGNED BY	DATE	APPROVED
	DRAWN BY	DATE	APPROVED
	CHECKED BY	DATE	APPROVED
	CONTRACT NO.		
	UNLESS OTHERWISE SPECIFIED		
	DIMENSIONS ARE IN INCHES		
	TO 3 PLACES DECIMALS		
	2 PLACES DECIMALS		
	1 PLACE DECIMALS		
	ANGLES ± 5°		

PARTS LIST			
APICAL INDUSTRIES			
2608 TEMPLE HEIGHTS DR.			
OCEANSIDE, CA. 92056-3512 (760)724-5300			
206 CABLE CUTTERS KIT			
SEE	CAGE CODE	QTY	REV
B	07MA26	646.9500	N/C
SCALE NONE			SHEET 1 OF 3

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DETAIL A
SHOWN ISOMETRICALLY

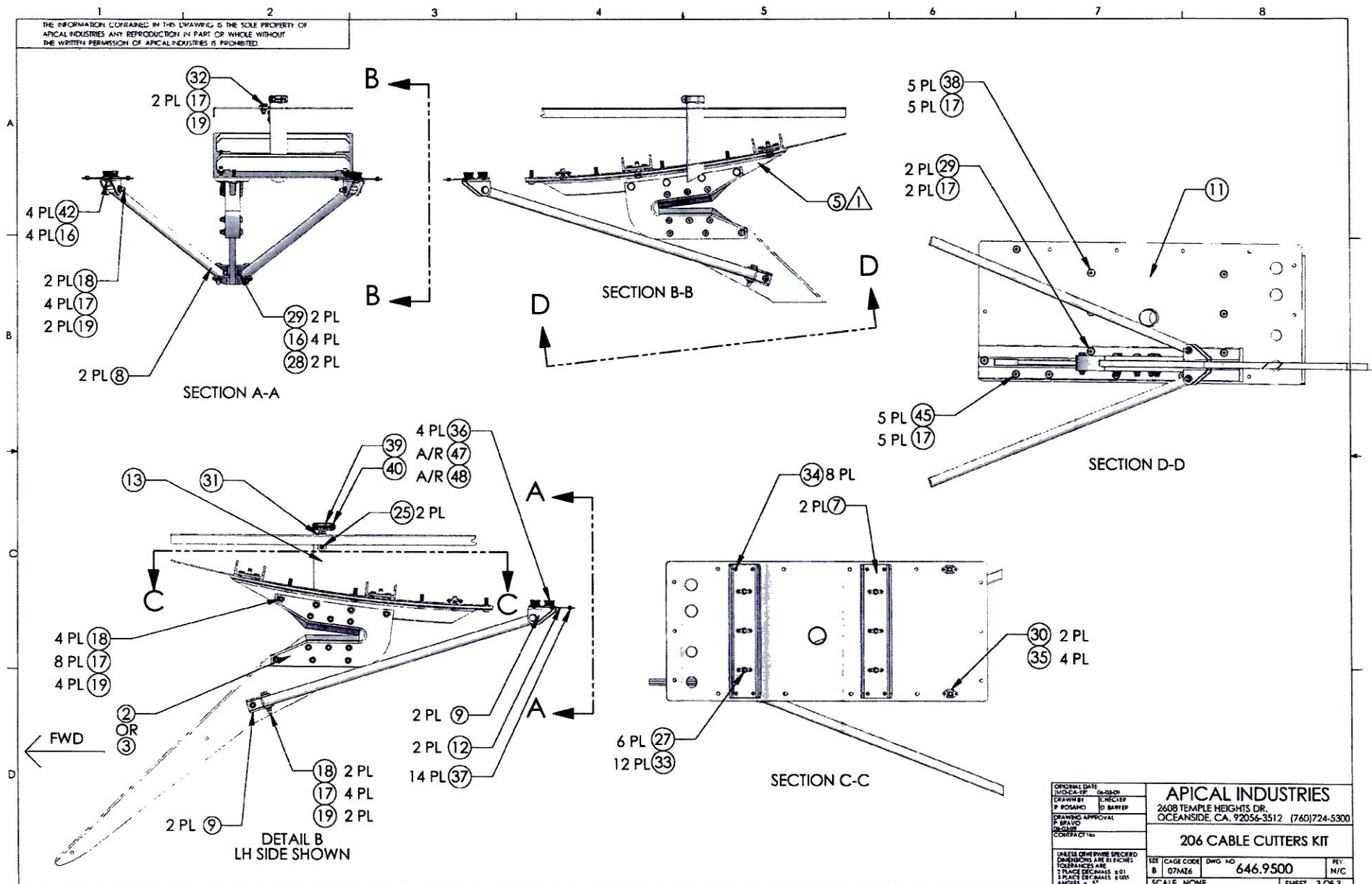
OPERATIONAL DATE		1/20/00		01/20/00	
DRAWN BY		F. POZANO		D. BARTER	
DRAWING APPROVAL		P. BAJO		D. BARTER	
CONTRACT NO.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1 PLACE DECIMALS ± .01 2 PLACE DECIMALS ± .005 ANGLES ± .5°					
SCALE	NONE	DWG NO.	646.9500	REV. N/C	
SHEET			2 OF 3		

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

206 CABLE CUTTERS KIT

ORIGINAL DATE (MM-DD-YY) 06-29-09	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92056-3512 1/601/724-5300			
DRAWN BY J. POCHANO				
CHECKED BY D. BARTER				
DRAWING APPROVAL P. RAYNO				
PROJECT CONTRACT # 160	206 CABLE CUTTERS KIT			
(PLEASE OVERWRITE SPECIFIED DIMENSIONS ARE IN INCHES) 1 COLUMN 2 PLACES DECIMALS 401 3 PLACES DECIMALS 2 005 4 PLACES	SIZE B	CAGE CODE 07M76	DWG NO 646.91500	REV N/C
	SCALE NONE		SHEET 2 OF 3	

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ORIGINAL DATE: 06-08-09		APICAL INDUSTRIES	
DRAWN BY: P. ROSANO	CHECKED BY: D. BARRIS	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92056-3512 (760)724-5300	
DRAWING APPROVAL: P. BRAVO		206 CABLE CUTTERS KIT	
06-08-09		REV: N/C	
1/16" (12.7mm) DIMENSIONS UNLESS SPECIFIED		SEE CAGE CODE: 646.9500	SCALE: NONE
DIMENSIONS ARE IN INCHES			SHEET 3 OF 3
TOLERANCES ARE:			
1 PLACE DECIMALS ± 0.1			
2 PLACE DECIMALS ± 0.05			
ANGLES ± 5°			

Work Order ID 165056***165056***

Page 1

Monday, August 14, 2017 2:51:28 PM

Item ID: 646.9501

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017 Start Qty: 1.00

1

Cust Item ID:

Required Date: 9/28/2017 Req'd Qty: 1.00

1

Customer:

Reference:

Run Start ***NR1***

Approvals:

Process Plan:

UL

Date:

8/17/17

Tooling:

Date:

Stop ***NR2***

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

646.9500

N/C

50
AUG 29 2017

100

Document Control

0.00

100

DOCUMENT CONTROL

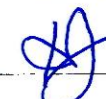
DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP 646.9501

17/9/5 

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.03

Quality Control

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR <i>[Signature]</i>	MEG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: HARDWARE REVISIONS FROM FIRST INSTALL					

REFERENCE ONLY

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

REFERENCE ONLY

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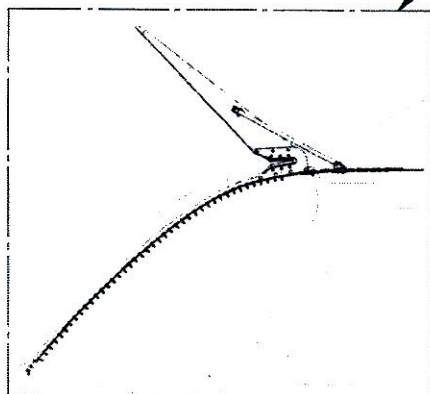
NOTES:

1 AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

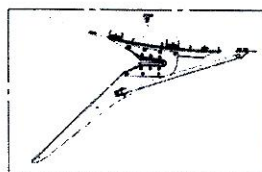
UNINCORPORATED ECN(s)

02729, 02736, 03047

DETAIL A



DETAIL B



QTY	FIND #	PART #	DESCRIPTION	MATL	SPEC.
1	1	49	601.1066 RIVET	CR3212-4-4	
1	1	48	600.0991 MAG-NORBOND 6395 PART B		
1	1	47	600.0990 MAG-NORBOND 6395 PART A		
1	1	46	600.1012 SEALANT	PP-1425 CLASS B	
5	5	45	601.1949 SCREW	MS27039-1-11	
2	2	44	601.2989 SCREW	MS27039-0812	
4	4	43	601.2987 SCREW	MS27039-0804	
4	4	42	601.3000 SCREW	MS27039-0806	

REV.	DESCRIPTION	DATE	APPROVED
1	LAST PROTOTYPE REVISION #52		ENC
2	INITIAL RELEASE	01/03/09	P. BRAYO

47	47	41	601.2893	SCREW	MS27039-0811
1	1	40	601.2982	HOSE CLAMP	MS33042-11
1	1	39	647.1210	SCREEN	
5	5	38	601.1621	SCREW	MS27039-1-08
14	14	37	601.2979	RIVET	CR3213-4-1
4	4	36	601.2984	INSERT	MS1835-08
4	4	35	601.2277	RIVET	CCRN465-840
8	8	34	601.2983	RIVET	CR3213-6-4
12	12	33	601.2980	NUTPLATE RIVET	CCRN415-546
1	1	32	601.2822	BOLT	AN3-34
1	1	31	601.2985	BRACKET	AN725-13
2	2	30	601.1900	NUTPLATE	MS21049-3
6	6	29	601.2988	SCREW	MS27039-0813
53	53	28	601.2973	LOCKNUT	MS21042-08
6	6	27	600.0795	NUTPLATE	MS21047-3
18	18	26	601.0790	RIVET	CR3213-4-3
18	18	25	601.1039	RIVET	CR3213-4-2
19	19	24	601.1915	RIVET	CR3213-4-4
20	20	23	601.2591	RIVET	CR3213-4-6
26	26	22	601.1183	RIVET	CR3213-4-5
4	4	21	601.2356	NUTPLATE	MS21039-08
8	8	20	601.2981	NUTPLATE RIVET	CCRN465-546
17	17	19	601.2943	LOCKNUT	MS21042-3
16	16	18	601.2826	BOLT	AN3-11A
46	46	17	601.1607	WASHER	MS11490839
114	114	16	601.2764	WASHER	MS11490839
1	1	15	647.0115	CLIP	
1	1	14	647.0114	CLIP	
1	1	13	647.0410	TUBE	
2	2	12	647.0116	DOUBLER	
1	1	11	647.0111	PANEL	
2	2	10	647.0113	STRUT DOUBLER	
8	8	9	647.0112	STRUT BRACKET	
4	4	8	646.9910	STRUT	
2	2	7	647.0310	CHANNEL	
1	1	6	647.0110	ROOF DOUBLER	
1	1	5	647.0210	RAIL	
1	1	4	646.9810	DEFLECTOR	
1	1	3	646.9603	LOWER CUTTER ASSY LOW	
1	1	2	646.9602	LOWER CUTTER ASSY HIGH	
1	1	1	646.9601	UPPER CUTTER ASSY	
			646.9502	206 CABLE CUTTERS KIT LOW	
			646.9501	206 CABLE CUTTERS KIT HIGH	

QTY	FIND #	PART #	DESCRIPTION	MATL	SPEC.
1	1	1	646.9502	206 CABLE CUTTERS KIT LOW	
1	1	1	646.9501	206 CABLE CUTTERS KIT HIGH	

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
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206 CABLE CUTTERS KIT

SCALE: NONE

SHEET 1 OF 3